

**Report By:**

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**NATIONAL**

**TAB**

Comfort. Under control.

**Report: TAB REPORT  
Function: Test, Adjust, & Balance  
Date: 11/10/2022**

**PROJECT  
10-24 NIKE - SOUTHLAKE, TX**

167 GRAND AVE

SOUTHLAKE, TX 76092

**Client**

**National Contractors Inc. (NCI)  
2500 ORCHARD LN  
EXCELSIOR, MN 55331**

# National TAB

Project: 10-24 NIKE - SOUTHLAKE, TX

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# National TAB

Project: 10-24 NIKE - SOUTHLAKE, TX

## System/Unit: AHU/RTU



Comfort. Under control.

Asset: FCU1

AREA:BOH

| Unit Data           |           |            |
|---------------------|-----------|------------|
|                     | Design    | Actual     |
| MFG                 | CARRIER   | CARRIER    |
| Serial Num          | -         | 2222F08211 |
| Model Num           | FV4CNB005 | FV4CNB005  |
| Type                | FCU       | FCU        |
| Configuration       | VERTICAL  | HORIZONTAL |
| Num OA Filters 1    | -         | NA         |
| OA Filter Size 1    | -         | 8" DUCT    |
| Num Final Filter 1  | -         | 1          |
| Final Filter Size 1 | -         | 20X25X2    |

| Motor Data     |        |         |
|----------------|--------|---------|
|                | Design | Actual  |
| Motor MFG      | -      | GENTEQ  |
| Frame          | -      | NL      |
| Horsepower     | 0.5    | 0.5     |
| Motor Rpm      | -      | NL      |
| Phase          | 3      | 3       |
| Rated Voltage  | 480    | 208/230 |
| Rated Amperage | -      | 4.3     |

| Drive Data        |        |        |
|-------------------|--------|--------|
|                   | Design | Actual |
| Motor Sheave Size | -      | DD     |
| Motor Bore Size   | -      | DD     |
| Fan Sheave Size   | -      | DD     |
| Fan Sheave Bore   | -      | DD     |
| Belt CL Distance  | -      | DD     |
| Num of Belts      | -      | DD     |
| Belt Size         | -      | DD     |

| Electrical    |        |        |
|---------------|--------|--------|
|               | Design | Actual |
| VFD Min Setpt | -      | NA     |
| VFD Max Setpt | -      | NA     |

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Notes:

| Test Data              |        |             |
|------------------------|--------|-------------|
|                        | Design | Actual      |
| SF CFM                 | 1475   | 1335        |
| SF RPM                 | -      | NR          |
| RA CFM                 | 1335   | 1221        |
| OA CFM                 | 120    | 114         |
| RL Voltage             | -      | 481/481/481 |
| RL Amperage            | -      | 3.9/3.8/3.7 |
| SF Rotation            | -      | CW          |
| RA Damper Position     | -      | NA          |
| Min OA Damper Position | -      | 35%         |
| Min OA Damper Type     | -      | DUCT DAMPER |

| Performance Data |        |        |
|------------------|--------|--------|
|                  | Design | Actual |
| MA Plenum SP     | -      | -0.06" |
| Fan Suction SP   | -      | -1.36" |
| Fan Discharge SP | -      | 0.05"  |
| Total ESP        | 0.7"   | 0.11"  |
| OA Temp (db/wb)  | -      | 72/65  |
| RA Temp (db/wb)  | -      | 70/60  |
| SA Temp (db/wb)  | -      | 61/53  |

| General              |        |        |
|----------------------|--------|--------|
|                      | Design | Actual |
| Fan Rotation Correct | -      | YES    |
| Unit Filters Clean   | -      | DIRTY  |

# National TAB

Project:10-24 NIKE - SOUTHLAKE, TX

## AHU/RTU



Comfort. Under control.

### Diffuser Supply (GRD)

#### FCU1/BOH

| Asset      |                |      |      |            |    |        |        |           |             |
|------------|----------------|------|------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Location       | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| SGRD1      | QUIET ROOM     | CSD1 | 8"   | 200        | 1  | 125    |        | 205       | 102.5       |
| SGRD2      | COACH'S OFFICE | CSD1 | 10"  | 375        | 1  | 205    |        | 347       | 92.5        |
| SGRD3      | BREAK ROOM     | CSD2 | 10"  | 275        | 1  | 306    |        | 253       | 92.0        |
| SGRD4      | BREAK ROOM     | CSD2 | 10"  | 275        | 1  | 253    |        | 262       | 95.3        |
| SGRD5      | IT ROOM        | CSD3 | 8"   | 350        | 1  | 185    |        | 268       | 76.6        |

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# National TAB

Project: 10-24 NIKE - SOUTHLAKE, TX  
System/Unit: AHU/RTU



Comfort. Under control.

Asset: FCU2

AREA:STOCKROOM

| Unit Data           |           |            |
|---------------------|-----------|------------|
|                     | Design    | Actual     |
| MFG                 | CARRIER   | CARRIER    |
| Serial Num          | -         | 2222F08210 |
| Model Num           | FV4CNB005 | FV4CNB005  |
| Type                | FCU       | FCU        |
| Configuration       | VERTICAL  | HORIZONTAL |
| Num OA Filters 1    | -         | NA         |
| OA Filter Size 1    | -         | 10" DUCT   |
| Num Final Filter 1  | -         | 1          |
| Final Filter Size 1 | -         | 20X25X2    |

| Motor Data     |        |         |
|----------------|--------|---------|
|                | Design | Actual  |
| Motor MFG      | -      | GENTEQ  |
| Frame          | -      | NL      |
| Horsepower     | 0.5    | 0.5     |
| Motor Rpm      | -      | NL      |
| Phase          | 3      | 3       |
| Rated Voltage  | 480    | 208/230 |
| Rated Amperage | -      | 4.3     |

| Drive Data        |        |        |
|-------------------|--------|--------|
|                   | Design | Actual |
| Motor Sheave Size | -      | DD     |
| Motor Bore Size   | -      | DD     |
| Fan Sheave Size   | -      | DD     |
| Fan Sheave Bore   | -      | DD     |
| Belt CL Distance  | -      | DD     |
| Num of Belts      | -      | DD     |
| Belt Size         | -      | DD     |

| Electrical    |        |        |
|---------------|--------|--------|
|               | Design | Actual |
| VFD Min Setpt | -      | NA     |
| VFD Max Setpt | -      | NA     |

| Test Data              |        |             |
|------------------------|--------|-------------|
|                        | Design | Actual      |
| SF CFM                 | 1050   | 1083        |
| SF RPM                 | -      | NR          |
| RA CFM                 | 815    | 865         |
| OA CFM                 | 235    | 218         |
| RL Voltage             | -      | 482/482/481 |
| RL Amperage            | -      | 3.7/3.6/3.9 |
| SF Rotation            | -      | CW          |
| RA Damper Position     | -      | NA          |
| Min OA Damper Position | -      | 45%         |
| Min OA Damper Type     | -      | DUCT DAMPER |

| Performance Data |        |        |
|------------------|--------|--------|
|                  | Design | Actual |
| MA Plenum SP     | -      | -0.07" |
| Fan Suction SP   | -      | -1.21" |
| Fan Discharge SP | -      | 0.07"  |
| Total ESP        | 0.7"   | 0.14"  |
| OA Temp (db/wb)  | -      | 72/65  |
| RA Temp (db/wb)  | -      | 68/59  |
| SA Temp (db/wb)  | -      | 63/50  |

| General              |        |        |
|----------------------|--------|--------|
|                      | Design | Actual |
| Fan Rotation Correct | -      | YES    |
| Unit Filters Clean   | -      | DIRTY  |

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Notes:

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Project:10-24 NIKE - SOUTHLAKE, TX

## AHU/RTU



Comfort. Under control.

### Diffuser Supply (GRD)

#### FCU2/STOCKROOM

| Asset      |              |      |      |            |    |        |        |           |             |
|------------|--------------|------|------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Location     | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| SGRD1      | BOH          | CSD2 | 8"   | 195        | 1  | 220    | 196    | 200       | 102.6       |
| SGRD2      | BOH          | CSD2 | 8"   | 195        | 1  | 210    | 183    | 189       | 96.9        |
| SGRD3      | BOH          | CSD2 | 8"   | 195        | 1  | 295    | 201    | 206       | 105.6       |
| SGRD4      | S&R          | CSD2 | 8"   | 195        | 1  | 215    | 200    | 203       | 104.1       |
| SGRD5      | FOH          | CSD2 | 8"   | 195        | 1  | 187    | 204    | 210       | 107.7       |
| SGRD6      | ADA RESTROOM | CSD3 | 6"   | 75         | 1  | 86     | 128    | 75        | 100.0       |

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Project: 10-24 NIKE - SOUTHLAKE, TX  
System/Unit: AHU/RTU



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Asset: FCU3

AREA:SALES

| Unit Data                  |           |            |
|----------------------------|-----------|------------|
|                            | Design    | Actual     |
| <b>MFG</b>                 | CARRIER   | CARRIER    |
| <b>Serial Num</b>          | -         | 1922F05596 |
| <b>Model Num</b>           | FV4CNB006 | FV4CNB006  |
| <b>Type</b>                | FCU       | FCU        |
| <b>Configuration</b>       | VERTICAL  | HORIZONTAL |
| <b>Num OA Filters 1</b>    | -         | NA         |
| <b>OA Filter Size 1</b>    | -         | 10" DUCT   |
| <b>Num Final Filter 1</b>  | -         | 1          |
| <b>Final Filter Size 1</b> | -         | 20X25X2    |

| Motor Data            |        |         |
|-----------------------|--------|---------|
|                       | Design | Actual  |
| <b>Motor MFG</b>      | -      | GENTEQ  |
| <b>Frame</b>          | -      | NL      |
| <b>Horsepower</b>     | 0.75   | 0.75    |
| <b>Motor Rpm</b>      | -      | NL      |
| <b>Phase</b>          | 3      | 3       |
| <b>Rated Voltage</b>  | 480    | 208/230 |
| <b>Rated Amperage</b> | -      | 6.8     |

| Drive Data               |        |        |
|--------------------------|--------|--------|
|                          | Design | Actual |
| <b>Motor Sheave Size</b> | -      | DD     |
| <b>Motor Bore Size</b>   | -      | DD     |
| <b>Fan Sheave Size</b>   | -      | DD     |
| <b>Fan Sheave Bore</b>   | -      | DD     |
| <b>Belt CL Distance</b>  | -      | DD     |
| <b>Num of Belts</b>      | -      | DD     |
| <b>Belt Size</b>         | -      | DD     |

| Electrical           |        |        |
|----------------------|--------|--------|
|                      | Design | Actual |
| <b>VFD Min Setpt</b> | -      | NA     |
| <b>VFD Max Setpt</b> | -      | NA     |

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Notes:

| Test Data                     |        |                  |
|-------------------------------|--------|------------------|
|                               | Design | Actual           |
| <b>SF CFM</b>                 | 1840   | 1954             |
| <b>SF RPM</b>                 | -      | UNABLE TO VERIFY |
| <b>RA CFM</b>                 | 1520   | 1631             |
| <b>OA CFM</b>                 | 320    | 323              |
| <b>RL Voltage</b>             | -      | 480/481/481      |
| <b>RL Amperage</b>            | -      | 6.4/6.2/6.6      |
| <b>SF Rotation</b>            | -      | CW               |
| <b>RA Damper Position</b>     | -      | NA               |
| <b>Min OA Damper Position</b> | -      | 50%              |
| <b>Min OA Damper Type</b>     | -      | DUCT DAMPER      |

| Performance Data        |        |        |
|-------------------------|--------|--------|
|                         | Design | Actual |
| <b>MA Plenum SP</b>     | -      | -0.12" |
| <b>Fan Suction SP</b>   | -      | -1.78" |
| <b>Fan Discharge SP</b> | -      | 0.05"  |
| <b>Total ESP</b>        | 1.0"   | 0.17"  |
| <b>OA Temp (db/wb)</b>  | -      | 72/65  |
| <b>RA Temp (db/wb)</b>  | -      | 69/59  |
| <b>SA Temp (db/wb)</b>  | -      | 64/50  |

| General                     |        |        |
|-----------------------------|--------|--------|
|                             | Design | Actual |
| <b>Fan Rotation Correct</b> | -      | YES    |
| <b>Unit Filters Clean</b>   | -      | DIRTY  |

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## AHU/RTU



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**Diffuser Supply (GRD)**

**FCU3/SALES**

| Asset      |                  |      |      |            |      |        |        |           |             |
|------------|------------------|------|------|------------|------|--------|--------|-----------|-------------|
| Asset Name | Location         | Type | Size | DESIGN CFM | AK   | CFM(1) | CFM(2) | FINAL CFM | % to design |
| SGRD1      | FOOTWEA<br>R     | DSG1 | 10X6 | 210        | 0.35 | 179    | 262    | 229       | 109.0       |
| SGRD2      | FOOTWEA<br>R     | DSG1 | 10X6 | 210        | 0.35 | 156    | 243    | 222       | 105.7       |
| SGRD3      | SALES            | DSG1 | 10X6 | 210        | 0.35 | 157    | 209    | 219       | 104.3       |
| SGRD4      | SALES            | DSG1 | 10X6 | 210        | 0.35 | 176    | 258    | 220       | 104.8       |
| VAV1       | FITTING<br>ROOMS | DESV | 14"  | 1000       | 4685 | 863    | 1181   | 1064      | 106.4       |

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Project: 10-24 NIKE - SOUTHLAKE, TX  
System/Unit: AHU/RTU



Comfort. Under control.

Asset: FCU4

AREA:SALES

| Unit Data           |           |            |
|---------------------|-----------|------------|
|                     | Design    | Actual     |
| MFG                 | CARRIER   | CARRIER    |
| Serial Num          | -         | 1922F05597 |
| Model Num           | FV4CNB006 | FV4CNB006  |
| Type                | FCU       | FCU        |
| Configuration       | VERTICAL  | HORIZONTAL |
| Num OA Filters 1    | -         | NA         |
| OA Filter Size 1    | -         | 10" DUCT   |
| Num Final Filter 1  | -         | 1          |
| Final Filter Size 1 | -         | 20X25X2    |

| Motor Data     |        |         |
|----------------|--------|---------|
|                | Design | Actual  |
| Motor MFG      | -      | GENTEQ  |
| Frame          | -      | NL      |
| Horsepower     | 0.75   | 0.75    |
| Motor Rpm      | -      | NL      |
| Phase          | 3      | 3       |
| Rated Voltage  | 480    | 208/230 |
| Rated Amperage | -      | 6.8     |

| Drive Data        |        |        |
|-------------------|--------|--------|
|                   | Design | Actual |
| Motor Sheave Size | -      | DD     |
| Motor Bore Size   | -      | DD     |
| Fan Sheave Size   | -      | DD     |
| Fan Sheave Bore   | -      | DD     |
| Belt CL Distance  | -      | DD     |
| Num of Belts      | -      | DD     |
| Belt Size         | -      | DD     |

| Electrical    |        |        |
|---------------|--------|--------|
|               | Design | Actual |
| VFD Min Setpt | -      | NA     |
| VFD Max Setpt | -      | NA     |

| Test Data              |        |             |
|------------------------|--------|-------------|
|                        | Design | Actual      |
| SF CFM                 | 1840   | 1753        |
| SF RPM                 | -      | NR          |
| RA CFM                 | 1520   | 1412        |
| OA CFM                 | 320    | 341         |
| RL Voltage             | -      | 482/482/482 |
| RL Amperage            | -      | 5.8/5.9/5.6 |
| SF Rotation            | -      | CW          |
| RA Damper Position     | -      | NA          |
| Min OA Damper Position | -      | 50%         |
| Min OA Damper Type     | -      | DUCT DAMPER |

| Performance Data |        |        |
|------------------|--------|--------|
|                  | Design | Actual |
| MA Plenum SP     | -      | -0.09" |
| Fan Suction SP   | -      | -1.98" |
| Fan Discharge SP | -      | 0.05"  |
| Total ESP        | 1.0"   | 0.14"  |
| OA Temp (db/wb)  | -      | 72/65  |
| RA Temp (db/wb)  | -      | 69/57  |
| SA Temp (db/wb)  | -      | 53/47  |

| General              |        |        |
|----------------------|--------|--------|
|                      | Design | Actual |
| Fan Rotation Correct | -      | YES    |
| Unit Filters Clean   | -      | DIRTY  |

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Notes:

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Project:10-24 NIKE - SOUTHLAKE, TX

## AHU/RTU



Comfort. Under control.

### Diffuser Supply (GRD)

#### FCU4/SALES

| Asset      |                   |      |      |            |      |        |        |           |             |
|------------|-------------------|------|------|------------|------|--------|--------|-----------|-------------|
| Asset Name | Location          | Type | Size | DESIGN CFM | AK   | CFM(1) | CFM(2) | FINAL CFM | % to design |
| SGRD1      | FOH PIPP          | CSD2 | 8"   | 200        | 1    | 124    | 187    | 193       | 96.5        |
| SGRD2      | FOH PIPP          | CSD2 | 8"   | 200        | 1    | 129    | 193    | 196       | 98.0        |
| SGRD3      | FOH PIPP          | CSD2 | 8"   | 200        | 1    | 135    | 194    | 201       | 100.5       |
| SGRD4      | FOOTWEA<br>R AREA | DSG1 | 10X6 | 250        | 0.34 | 189    | 243    | 231       | 92.4        |
| SGRD5      | FOOTWEA<br>R AREA | DSG1 | 10X6 | 250        | 0.34 | 151    | 274    | 238       | 95.2        |
| SGRD6      | SALES             | DSG1 | 10X6 | 250        | 0.34 | 134    | 208    | 229       | 91.6        |
| SGRD7      | SALES             | DSG1 | 10X6 | 250        | 0.34 | 142    | 224    | 235       | 94.0        |
| SGRD8      | SALES             | DSG1 | 10X6 | 250        | 0.34 | 106    | 226    | 230       | 92.0        |

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Project: 10-24 NIKE - SOUTHLAKE, TX  
System/Unit: AHU/RTU



Comfort. Under control.

Asset: FCU 5

AREA: SOLAR ZONE

| Unit Data           |           |            |
|---------------------|-----------|------------|
|                     | Design    | Actual     |
| MFG                 | CARRIER   | CARRIER    |
| Serial Num          | -         | 1922F05594 |
| Model Num           | FV4CNB006 | FV4CNB006  |
| Type                | FCU       | FCU        |
| Configuration       | VERTICAL  | HORIZONTAL |
| Num OA Filters 1    | -         | NA         |
| OA Filter Size 1    | -         | 10" DUCT   |
| Num Final Filter 1  | -         | 1          |
| Final Filter Size 1 | -         | 20X25X2    |

| Motor Data     |        |         |
|----------------|--------|---------|
|                | Design | Actual  |
| Motor MFG      | -      | GENTEQ  |
| Frame          | -      | NL      |
| Horsepower     | 0.75   | 0.75    |
| Motor Rpm      | -      | NL      |
| Phase          | 3      | 3       |
| Rated Voltage  | 480    | 208/230 |
| Rated Amperage | -      | 6.8     |

| Drive Data        |        |        |
|-------------------|--------|--------|
|                   | Design | Actual |
| Motor Sheave Size | -      | DD     |
| Motor Bore Size   | -      | DD     |
| Fan Sheave Size   | -      | DD     |
| Fan Sheave Bore   | -      | DD     |
| Belt CL Distance  | -      | DD     |
| Num of Belts      | -      | DD     |
| Belt Size         | -      | DD     |

| Electrical    |        |        |
|---------------|--------|--------|
|               | Design | Actual |
| VFD Min Setpt | -      | NA     |
| VFD Max Setpt | -      | NA     |

| Test Data              |        |             |
|------------------------|--------|-------------|
|                        | Design | Actual      |
| SF CFM                 | 1400   | 1435        |
| SF RPM                 | -      | NR          |
| RA CFM                 | 1080   | 1106        |
| OA CFM                 | 320    | 329         |
| RL Voltage             | -      | 482/481/482 |
| RL Amperage            | -      | 5.9/6.1/6.3 |
| SF Rotation            | -      | CW          |
| RA Damper Position     | -      | NA          |
| Min OA Damper Position | -      | 48%         |
| Min OA Damper Type     | -      | DUCT DAMPER |

| Performance Data |        |        |
|------------------|--------|--------|
|                  | Design | Actual |
| MA Plenum SP     | -      | -0.60" |
| Fan Suction SP   | -      | -0.81" |
| Fan Discharge SP | -      | 0.61"  |
| Total ESP        | 1.0"   | 1.21"  |
| OA Temp (db/wb)  | -      | 72/65  |
| RA Temp (db/wb)  | -      | 68/57  |
| SA Temp (db/wb)  | -      | 62/54  |

| General              |        |        |
|----------------------|--------|--------|
|                      | Design | Actual |
| Fan Rotation Correct | -      | YES    |
| Unit Filters Clean   | -      | YES    |

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Notes:

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Project:10-24 NIKE - SOUTHLAKE, TX

## AHU/RTU



Comfort. Under control.

### Diffuser Supply (GRD)

#### FCU 5/SOLAR ZONE

| Asset      |              |      |      |            |      |        |        |           |             |
|------------|--------------|------|------|------------|------|--------|--------|-----------|-------------|
| Asset Name | Location     | Type | Size | DESIGN CFM | AK   | CFM(1) | CFM(2) | FINAL CFM | % to design |
| SGRD1      | SOLAR        | DSG1 | 10X6 | 200        | 0.42 | 180    |        | 203       | 101.5       |
| SGRD2      | SOLAR        | DSG1 | 10X6 | 200        | 0.42 | 263    |        | 215       | 107.5       |
| SGRD3      | SOLAR        | DSG1 | 10X6 | 200        | 0.42 | 238    |        | 210       | 105.0       |
| SGRD4      | SOLAR        | DSG1 | 10X6 | 200        | 0.42 | 264    |        | 218       | 109.0       |
| VAV2       | WELCOME AREA | DESV | 12"  | 600        | 1056 | 502    |        | 589       | 98.2        |

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Project: 10-24 NIKE - SOUTHLAKE, TX  
System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1

AREA:RESTROOM

| Unit Data        |           |              |
|------------------|-----------|--------------|
|                  | Design    | Actual       |
| <b>MFG</b>       | GREENHECK | NOT EXISTING |
| <b>Model Num</b> | SQ-080-VG | NOT EXISTING |

| Test Data  |        |        |
|------------|--------|--------|
|            | Design | Actual |
| <b>CFM</b> | 200    | 207    |

| Motor Data |        |        |
|------------|--------|--------|
|            | Design | Actual |
|            |        |        |

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Project:10-24 NIKE - SOUTHLAKE, TX

## FAN - Exhaust



Comfort. Under control.

**Diffuser Ret/Exh (GRD)**

**EF1/RESTROOM**

| Asset      |                 |      |      |            |    |        |        |           |             |
|------------|-----------------|------|------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Location        | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| EGRD1      | ADA RESTROOM    | CEG1 | 6"   | 125        | 1  |        |        | 129       | 103.2       |
| EGRD2      | JANITORS CLOSET | CEG1 | 6"   | 75         | 1  |        |        | 78        | 104.0       |

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Project: 10-24 NIKE - SOUTHLAKE, TX  
System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF2

AREA:IT CLOSET

| Unit Data            |            |                |
|----------------------|------------|----------------|
|                      | Design     | Actual         |
| <b>MFG</b>           | GREENHECK  | GREENHECK      |
| <b>Model Num</b>     | SQ-100-VG  | SQ-100-VG4X-QD |
| <b>Serial Num</b>    | -          | 18118534       |
| <b>Type</b>          | INLINE     | INLINE         |
| <b>Configuration</b> | HORIZONTAL | HORIZONTAL     |

| Motor Data              |        |            |
|-------------------------|--------|------------|
|                         | Design | Actual     |
| <b>Motor MFG</b>        | -      | VARI-GREEN |
| <b>Frame</b>            | -      | NR         |
| <b>Horsepower</b>       | 1/4    | 0.25       |
| <b>Motor Rpm</b>        | -      | 1725       |
| <b>Phase</b>            | 1      | 1          |
| <b>Voltage (rated)</b>  | 120    | 115        |
| <b>Amperage (rated)</b> | -      | 2.85       |
| <b>Service Factor</b>   | -      | 1          |

| Test Data               |        |        |
|-------------------------|--------|--------|
|                         | Design | Actual |
| <b>CFM</b>              | 1000   | 736    |
| <b>Fan RPM</b>          | 1385   | 1725   |
| <b>Fan Rotation</b>     | -      | CW     |
| <b>Motor RPM</b>        | -      | 1725   |
| <b>System SetPt</b>     | -      | 10VDC  |
| <b>RL Voltage</b>       | -      | 121    |
| <b>RL Amperage</b>      | -      | 2.65   |
| <b>Total ESP</b>        | 0.3"   | 0.17"  |
| <b>Fan Inlet SP</b>     | -      | -0.09" |
| <b>Fan Discharge SP</b> | -      | 0.08"  |

Completed By: Titus Mowry

Notes:

# National TAB

Project: 10-24 NIKE - SOUTHLAKE, TX  
System/Unit: FAN - Supply



Comfort. Under control.

Asset: SF1

AREA:FCU OA

| Unit Data            |            |            |
|----------------------|------------|------------|
|                      | Design     | Actual     |
| <b>MFG</b>           | GREENHECK  | GREENHECK  |
| <b>Model Num</b>     | SQ-140-VG  | SQ-140-VG  |
| <b>Serial Num</b>    | -          | 19970747   |
| <b>Type</b>          | INLINE     | INLINE     |
| <b>Configuration</b> | HORIZONTAL | HORIZONTAL |

| Motor Data              |        |            |
|-------------------------|--------|------------|
|                         | Design | Actual     |
| <b>Motor MFG</b>        | -      | VARI-GREEN |
| <b>Frame</b>            | -      | NR         |
| <b>Horsepower</b>       | 1/2    | 0.75       |
| <b>Motor Rpm</b>        | -      | 1725       |
| <b>Phase</b>            | 1      | 1          |
| <b>Voltage (rated)</b>  | 120    | 115        |
| <b>Amperage (rated)</b> | -      | 11         |
| <b>Service Factor</b>   | -      | 1          |

| Gas Heat                         |        |        |
|----------------------------------|--------|--------|
|                                  | Design | Actual |
| <b>Heater Operates (y/n)</b>     | -      | NA     |
| <b>Flame Status (pass/fail)</b>  | -      | NA     |
| <b>Inlet Air Temp SetPt</b>      | -      | NA     |
| <b>Discharge Air Temp SetPt</b>  | -      | NA     |
| <b>Air Flow Switch SP Actual</b> | -      | NA     |

| Test Data               |        |        |
|-------------------------|--------|--------|
|                         | Design | Actual |
| <b>CFM</b>              | 1315   | 1325   |
| <b>SF RPM</b>           | 1499   | 1725   |
| <b>Motor RPM</b>        | -      | 1725   |
| <b>SF System SetPt</b>  | -      | 10VDC  |
| <b>RL Voltage</b>       | -      | 122    |
| <b>RL Amperage</b>      | -      | 10.3   |
| <b>Total ESP</b>        | -      | 1.02"  |
| <b>Fan Discharge SP</b> | -      | 1.02"  |

| General                     |        |        |
|-----------------------------|--------|--------|
|                             | Design | Actual |
| <b>Fan Rotation Correct</b> | -      | YES    |

Completed By: Titus Mowry

Notes:

# National TAB

Project:10-24 NIKE - SOUTHLAKE, TX



Comfort. Under control.

## VAV - Single Duct

### 3HVAC EQUIPMENT/

| Asset      |      |            |                |         |                |         |          |
|------------|------|------------|----------------|---------|----------------|---------|----------|
| Asset Name | Type | Inlet Size | Design Max CFM | Max CFM | Design Min CFM | Min CFM | Ak (max) |
| VAV1       | VAV  | 14"        | 1000           | 1064    | 300            | 301     | 4685     |
| VAV2       | VAV  | 12"        | 600            | 589     | 180            | 175     | 1056     |